

King County DNRP Water Quality Index

STATION **484** WATER YEAR **2014**

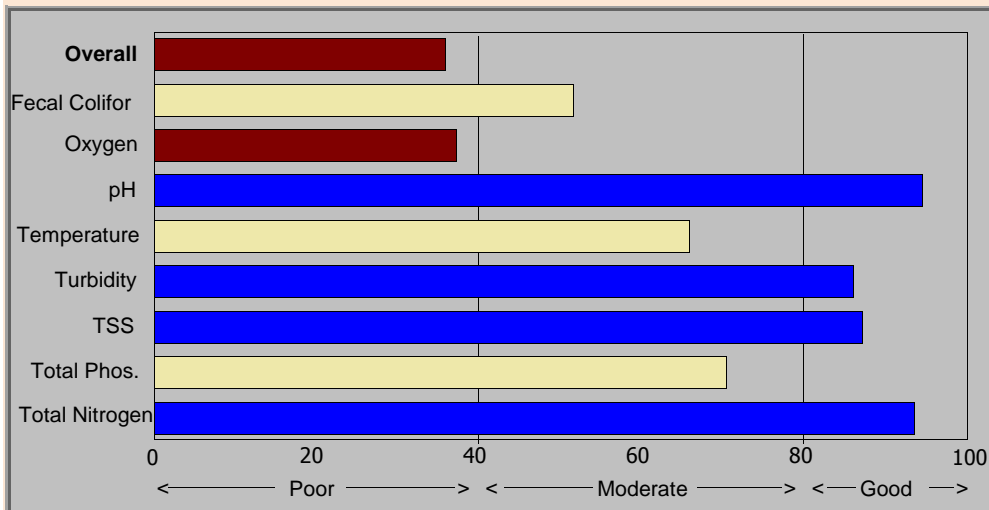
GAUGE # **02a** **Bear Creek @ Union Hill RD**

Overall Index **36**

Station 0484 is located approximately one mile upstream of the mouth of Bear creek where it enters the Sammamish River (the first railroad bridge south of Redmond Fall City Road). There are two upstream sites on the mainstem of Bear Creek; station C484 is located at bridge number 119A on NE 95th Street (east of Avondale Rd) upstream of the confluence of Evans Creek with Bear Creek, and station J484 is the furthest upstream site located at the bridge on 133rd (Seidel Rd), east of Bear Creek Rd. Bear Creek is approximately 12.4 miles long and the basin is comprised of three sub-basins: Bear Creek at 14,300 acres, Cottage Lake Creek at 8,000 acres, and Evans Creek at 9,800 acres. Bear Creek empties into the Sammamish River on the north side of State Route 520 in the City of Redmond.

Annual Water Quality Index Scores

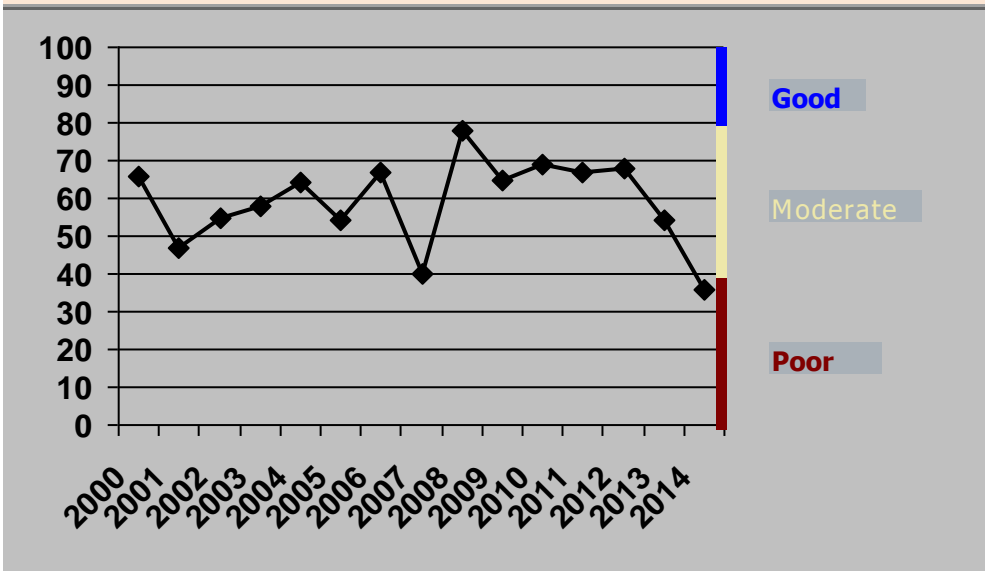
Water quality was POOR based on data collected 10/1/2013 to 9/30/2014.



Monthly Scores For Water Year 2014

Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
73	93	74	94	88	71	86	36	82	77	9	63

WQI Score Comparison By Water Year



About The Water Quality Index:

The Water Quality Index (WQI) score is a unit-less number ranging from 10 to 100: the higher the number, the higher the water quality. Scores are calculated from data collected during the monthly routine sampling. For temperature, pH, fecal coliform bacteria, turbidity, and dissolved oxygen, the index expresses results relative to levels required to maintain beneficial uses according to criteria in Washington's Water Quality Standards, WAC 173-201A. For nutrient and sediment measures where there are no standard, results are expressed relative to guidelines for this eco-region. Results from the eight parameters are aggregated over time to produce a single score for each sample station. In general, stations scoring 80 and above did not fail water quality standards or guidelines and are of "low concern", scores 40 to 80 indicate "moderate concern", and water quality at stations with scores below 40 are of "high concern". For more information about the WQI please visit <http://green.kingcounty.gov/WLR/Waterres/StreamsData/WQI.aspx>

For more information about this creek please visit our website at <http://green.kingcounty.gov/WLR/Waterres/StreamsData/streamlist.aspx>